



Attorney's Docket No.: 11560-003US1 / F/USP82704

1641  
#6  
NCU

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Joyce S. Plested et al.  
Serial No. : 10/089,583  
Filed : March 28, 2002  
PCT Appln. No.: PCT/GB00/03758  
PCT Filing Date: 2 October 2000  
Title : VACCINE

Art Unit : 1641  
Examiner : Unknown

RECEIVED

SEP 16 2002

TECH CENTER 1600/2900

Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449, copies of which are enclosed. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date:

September 9, 2002

Timothy A. French  
Reg. No. 30,175

Fish & Richardson P.C.  
225 Franklin Street  
Boston, Massachusetts 02110-2804  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906

20415725.doc

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

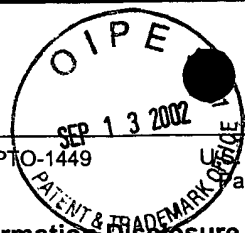
Date of Deposit

September 9, 2002

Signature

Timothy A. French

Typed or Printed Name of Person Signing Certificate



Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11560-003US1	Application No. 10/089,583
		Applicant Joyce S. Plested et al.	
		Filing Date March 28, 2002	Group Art Unit

**Information Disclosure Statement**  
**by Applicant**  
(Use several sheets if necessary)

(37 CFR §1.98(b))

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,705,161	01/1998	van der Ley et al.	424	250.1	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

**RECEIVED**  
SEP 16 2002  
TECH CENTER 1600/2900

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	"Lipopolysaccharide heterogeneity and escape mechanisms of <i>Neisseria meningitidis</i> : Possible consequences for vaccine development." Svein Rune Andersen <i>et al.</i> ; <i>Microbial Pathogenesis</i> , vol. 23, no. 3, 1997, pp. 139-155; XP002108656; ISSN: 0882-4010.
	AR	"Functional activities and epitope specificity of human and murine antibodies against the class 4 outer membrane protein (Rmp) of <i>Neisseria meningitidis</i> ." Einar Rosenqvist <i>et al.</i> ; <i>Infection and Immunity</i> , vol. 67, no. 3, March 1999 (1999-03), pp. 1267-1276; XP002164444; ISSN: 0019-9657.
	AS	"Conservation and accessibility of an inner core lipopolysaccharide epitope of <i>Neisseria meningitidis</i> ." Joyce S. Plested <i>et al.</i> ; <i>Infection and Immunity</i> , vol. 67, no. 10, October 1999 (1999-10) pp. 5417-5426; XP002164445; ISSN: 0019-9567.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement</b> <b>by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11560-003US1	Application No. 10/089,183
	Applicant Joyce S. Plested et al.		SEP 16 2002
	Filing Date March 28, 2002	Group Art Unit TECH CENTER 1600/2900	

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AT	"Differences in surface expression of NspA among <i>Neisseria meningitidis</i> group B strains." Gregory R. Moe <i>et al.</i> ; <i>Infection and Immunity</i> , vol. 67, no. 11, November 1999 (1999-11), pp. 5664-5675; XP004192496; ISSN: 0019-9567. ✓
	AU	"For discussion: live attenuated vaccines for Group B meningococcus." Christoph Tang <i>et al.</i> ; <i>Vaccine</i> (1999); pp. 114-117. ✓
	AV	"Enzyme Linked Immunosorbent Assay (ELISA) for the detection of serum antibodies to the inner core lipopolysaccharide of <i>Neisseria meningitidis</i> Group B." Joyce S. Plested <i>et al.</i> ; <i>Journal of Immunological Methods</i> 237 (2000), pp. 73-84. ✓
	AW	"Molecular analysis of a locus for the biosynthesis and phase-variable expression of the lacto-N-neotetraose terminal lipopolysaccharide structure in <i>Neisseria meningitidis</i> ." Michael P. Jennings <i>et al.</i> ; <i>Molecular Microbiology</i> (1995) 18(4), pp. 729-740. ✓
	AX	"Cloning and molecular analysis of the <i>galE</i> gene of <i>Neisseria meningitidis</i> and its role in lipopolysaccharide biosynthesis." Michael P. Jennings <i>et al.</i> ; <i>Molecular Microbiology</i> (1993) 10( ), pp. 000-000. ✓
	AY	"Cloning and molecular analysis of the <i>Isi1</i> ( <i>rfaF</i> ) gene of <i>Neisseria meningitidis</i> which encodes heptosyl-2-transferase involved in LPS biosynthesis: evaluation of surface exposed carbohydrates in LPS mediated toxicity for human endothelial cells." Michael P. Jennings <i>et al.</i> ; <i>Microbial Pathogenesis</i> (1995) 19, pp 391-407. ✓
	AZ	"Identification of a locus involved in meningococcal lipopolysaccharide biosynthesis by deletion mutagenesis." Peter van der Ley <i>et al.</i> ; <i>Molecular Microbiology</i> (1996) 19(5), pp. 1117-1125. ✓
	AAA	"Functional Relationships of the Genetic Locus Encoding the Glycosyltransferase Enzymes Involved in Expression of the Lacto-N-neotetraose Terminal Lipopolysaccharide Structure in <i>Neisseria meningitidis</i> ." Warren Wakarchuk <i>et al.</i> ; <i>The Journal of Biological Chemistry</i> , vol. 271, no. 32, August 9, 1996, pp. 19166-19173. ✓
	ABB	"Bacterial Lipopolysaccharides: Candidate Vaccines to Prevent <i>Neisseria meningitidis</i> and <i>Haemophilus Influenza</i> Infections." E. Richard Moxon <i>et al.</i> ; <i>Glycoimmunology</i> 2, 1998, pp. 237-243. ✓
	ACC	International Search Report; PCT/GB00/03758; 2 April 2001.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	